(19) World Intellectual Property **Organization** International Bureau





(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/054656 A1

(51) International Patent Classification7: 55/00, 57/02

F02M 5/02.

[GB/GB]; The Old Vicarage, Rockness, Horsley, Stroud GL6 0PJ (GB). MALE, Andrew [GB/GB]; 106, Carlton Road, Walton on Thames KT12 2DQ (GB).

(21) International Application Number:

PCT/GB2003/004739

(74) Agents: KELTIE, David, Arthur et al.; David Keltie Associates, Fleet Place House, 2 Fleet Place, London EC4M 7ET (GB).

(22) International Filing Date:

4 November 2003 (04.11.2003)

(81) Designated States (national): JP, US.

(25) Filing Language:

English

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(26) Publication Language:

English

Published:

with international search report

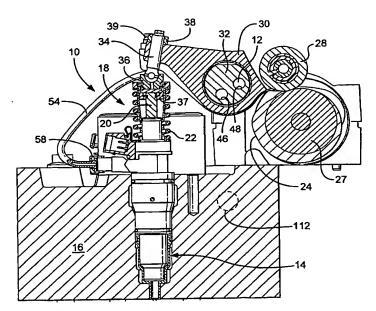
(71) Applicant (for all designated States except US): DELPHI TECHNOLOGIES, INC. [US/US]; P.O. Box 5052, Troy, MI 48007 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KNIGHT, Andrew

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ACCUMULATOR FUEL SYSTEM



(57) Abstract: An accumulator fuel system for an internal combustion engine having a plurality of engine cylinders, includes an accumulator fuel volume (12; 112) for supplying high pressure fuel to one or more of a plurality of injectors (10) of the fuel system, each of which is arranged to supply fuel to an associated one of the engine cylinders. he accumulator fuel volume (12; 112) is integrated within an engine component, where the engine component provides a purpose other than that solely of an accumulator volume for storing high pressure fuel. For example, the accumulator volume (12; 112) is defined in one embodiment within a rocker shaft (32) of the engine and in another embodiment within the engine cylinder head (16).

